



1773

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

EDMUND ARTHUR FLEXMAN ET. AL.

CASE NO.: AD6924USNA

APPLICATION NO.: 10/723653

CONFIRMATION NO.: 8786

GROUP ART UNIT: 1773

EXAMINER: UNKNOWN

FILED: NOVEMBER 26, 2003

FOR: LAYERED ARTICLES HAVING POLYOXYMETHYLENE BLEND SUBSTRATES
WITH ENHANCED SURFACE PROPERTIES AND AT LEAST ONE LAYER
THEREON AND PROCESS FOR MAKING THE SAME

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants would like to bring to the attention of the U.S. Patent and Trademark Office information that may be helpful in the examination of the above-identified patent application. All of the information is listed on an attached Form PTO/SB/08. A copy of the information, when required, is attached hereto.

A concise explanation of the relevance of each non-English language reference, if any, is (i) set forth in the specification.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted,

Tamera L. Fair

TAMERA L. FAIR
ATTORNEY FOR APPLICANTS
Registration No.: 35,867
Telephone: (302) 892-7948
Facsimile: (302) 992-3257

Dated: March 17, 2004

Enclosures



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) Sheet 1 of 1				Complete if Known		
				Application Number	10/723653	
				Filing Date	November 26, 2003	
				First Named Inventor	EDMUND ARTHUR FLEXMAN et al.	
				Group Art Unit	1773	
				Examiner Name	unknown	
				Attorney Docket Number	AD6924USNA	Mailed: 20040317

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number -	Kind Code ² (if known)			
		US -	3,070,563	12-25-1962	Nicholas C. Bolgiano	
		US -	4,246,374	01-20-1981	Richard M. Kopchik	
		US -	4,410,661	10-18-1983	Bennett N. Epstein et.al	
		US -	4,485,230	11-27-1984	Michael C. Yu	
		US -	3,884,990	05-20-1975	Hiroshi Sakata et.al.	
		US -	4,874,817	10-17-1989	Harold K. Inskip	
		US -	3,946,091	03-23-1976	Hiroshi Sakata et.al.	
		US -	4,052,481	10-04-1977	Nakaba Asahara et.al.	
		US -	4,187,358	02-05-1980	Kayomon Kyo et.al.	
		US -	4,861,828	08-29-1989	Marion G. Waggoner	
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		CountryCode ³	Number ⁴ Kind Code ⁵ (if known)				
		GB 2 101 139		01-12-1983	Edmund A. Flexman		<input type="checkbox"/>
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Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 0.00

Complete if Known

Application Number	10/723653
Filing Date	November 26, 2003
First Named Inventor	Edmund Arthur Flexman Et. Al.
Examiner Name	Unknown
Art Unit	1773
Attorney Docket No.	AD6924 US NA Mailed: 20040317

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit
Account
Number
Deposit
Account
Name

04-1928

E. I. du Pont de Nemours and Company

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
1001	2001	770	385	Utility filing fee	
1002	2002	340	170	Design filing fee	
1003	2003	530	265	Plant filing fee	
1004	2004	770	385	Reissue filing fee	
1005	2005	160	80	Provisional filing fee	
SUBTOTAL (1)					(\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims -20** = X 18 =
Independent Claims -3** = X 86 =
Multiple Dependent ☐ YES 290.00 =

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0.00

SUBMITTED BY

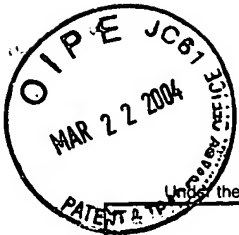
(Complete if applicable)

Name (Print/Type)	Tamera L. Fair	Registration No. (Attorney/Agent)	35,867	Telephone	(302) 892-7948
Signature	<i>Tamera L. Fair</i>	Date	March 17, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

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on March 17, 2004
Date

Signature

Julianne Holland

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

10/723653
AD6924USNA
Information Disclosure Statement
PTO/SB/08 form (Replacement for PTO1449)
Cited References (20)
Fee Transmittal form
Receipt card

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

of

Complete if Known

Application Number	10/723653
Filing Date	November 26, 2003
First Named Inventor	EDMUND ARTHUR FLEXMAN ET. AL.
Group Art Unit	1773
Examiner Name	unknown
Attorney Docket Number	AD6924USNA Mailed: 20040317

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Handbook of Plastics & Elastomers published by McGraw-Hill - no attachments	<input type="checkbox"/>
		Engineering Plastics, volume 2, published by ASM International, Metals Park, Ohio (1988) - see next 8 references	<input type="checkbox"/>
✓		(see above) Acrylics pages 103-108	<input type="checkbox"/>
✓		(see above) Acrylonitrile-Butadiene-Styrenes (ABS)* pages 109-114	<input type="checkbox"/>
✓		(see above) Polybenzimidazoles (PBI) pages 149-150	<input type="checkbox"/>
✓		(see above) Polyphenylene Ether Blends (PPE,PPO) pages 183-185	<input type="checkbox"/>
✓		(see above) High-Impact Polystyrenes (PS,HIPS) pages 194-199	<input type="checkbox"/>
✓		(see above) Polysulfones (PSU) pages 200-202	<input type="checkbox"/>
✓		(see above) Styrene-Acrylonitriles (SAN,OSA,ASA) pages 214-216	<input type="checkbox"/>
✓		((see above) Styrene-Maleic Anhydrides (S/MA) pages 217-221	<input type="checkbox"/>
✓		Rubber Technology, 2 nd Edition ed. by Maurice Morton (1973) Urethane Elastomers, Chapter 17 pages 453-453	<input type="checkbox"/>

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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